

APR 01 2008

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FACSIMILE TRANSMISSION COVER SHEET

DATE: April 1, 2008

TO: **Mail Stop: Amendment**
U.S. Patent and Trademark Office
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

EXAMINER: Russell Scott Negin, Group Art Unit 1631

RE: U.S. Patent Application No. 10/660,110
For: SYSTEM AND METHOD FOR EXTENDING DYNAMIC RANGE OF A DETECTOR
Our Ref.: 5010-406

FROM: Leonard D. Bowersox 

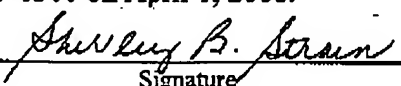
FAC. NO.: (571) 273-8300

NUMBER OF PAGES (INCLUDING THIS COVER SHEET): **22**

Papers Filed Herewith: Transmittal Form (1 Page)
Amendment (20 Pages)

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Shirley B. Strain
Printed Name:


Signature

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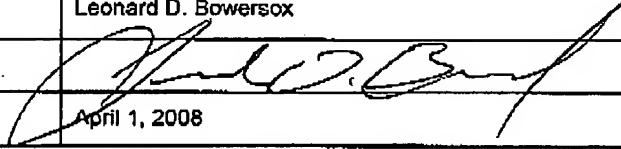
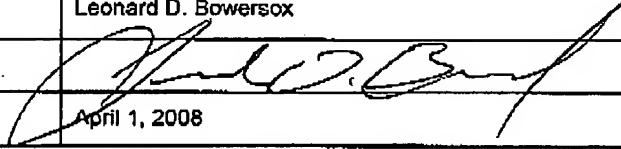
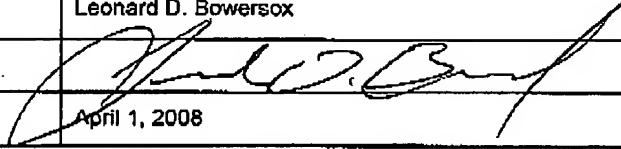



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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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<h1>TRANSMITTAL FORM</h1> <p>(to be used for all correspondence after initial filing)</p>		Application Number	10/680,110					
		Filing Date	September 11, 2003					
		First Named Inventor	Mark F. OLDHAM					
		Group Art Unit	1631					
		Examiner Name	Russell Scott NEGIN					
Total Number of Pages in This Submission	21	Attorney Docket Number	5010-406					
<p align="center">ENCLOSURES (check all that apply)</p> <table border="1"> <tr> <td> <input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.63 </td> <td> <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) <input type="checkbox"/> After Allowance Communication to Group </td> <td> <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Acknowledgement Postcard <input type="checkbox"/> Other Enclosure(s) (please identify below): <p align="center">Customer No. 35411</p> </td> </tr> </table>				<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.63	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) <input type="checkbox"/> After Allowance Communication to Group	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Acknowledgement Postcard <input type="checkbox"/> Other Enclosure(s) (please identify below): <p align="center">Customer No. 35411</p>		
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<p align="center">SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</p> <table border="1"> <tr> <td>Firm or Individual name</td> <td>Leonard D. Bowersox</td> </tr> <tr> <td>Signature</td> <td></td> </tr> <tr> <td>Date</td> <td>April 1, 2008</td> </tr> </table>			Firm or Individual name	Leonard D. Bowersox	Signature		Date	April 1, 2008
Firm or Individual name	Leonard D. Bowersox							
Signature								
Date	April 1, 2008							
<p align="center">CERTIFICATE OF MAILING</p> <p>I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, Fax No. (571) 273-8300 on April 1, 2008.</p> <table border="1"> <tr> <td>Type or printed name</td> <td>Shirley B. Strain</td> </tr> <tr> <td>Signature</td> <td></td> </tr> <tr> <td>Date</td> <td>April 1, 2008</td> </tr> </table>			Type or printed name	Shirley B. Strain	Signature		Date	April 1, 2008
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Signature								
Date	April 1, 2008							

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Shirley Strain

Name (Print)

Signature

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.	:	10/660,110	Confirmation No.:	6842
Applicants	:	Mark F. OLDHAM		
Filed	:	September 11, 2003		
TC/A.U.	:	1631		
Examiner	:	Russell Scott NEGIN		
Attorney Docket No.	:	5010-406		
Customer No.:		35411		

AMENDMENT

Mail Stop: Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Amendment is in response to the non-final Office Action mailed January 29, 2008, for which the Examiner has set a three-month period for response, thus making a response due on or before April 29, 2008.

Please amend the above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 13 of this paper.